

FIG. 1

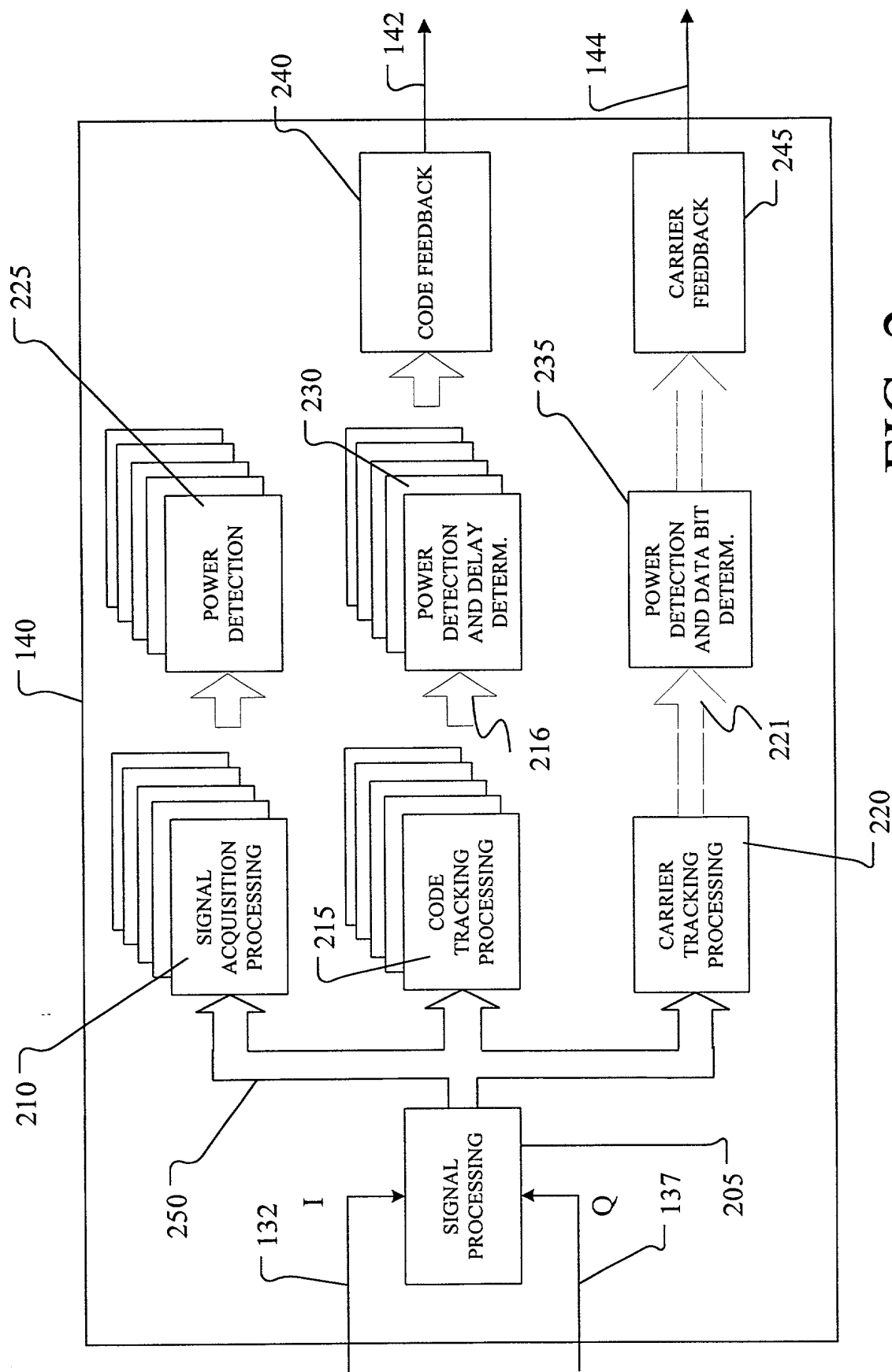
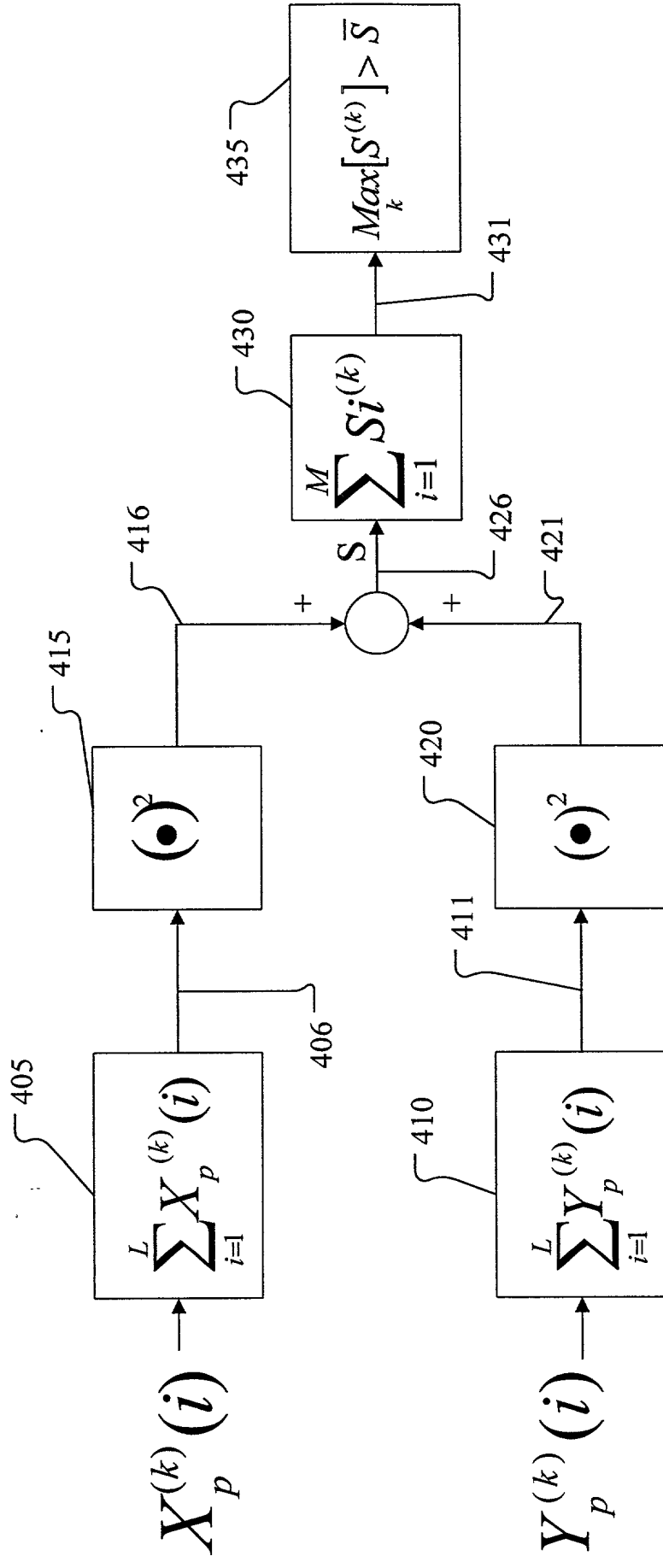


FIG. 2

TABLE 1
CODE TRACKING USING FIVE FREQUENCY
BINS AND FIVE PDI SEGMENTS

BIN	f_0 Hz	X (I)	Y (Q)
-2	-60	$I_1 - Q_2 - I_3 + Q_4 + I_5$	$Q_1 + I_2 - Q_3 - I_4 + Q_5$
-1	-30	$I_1 + I_2 - Q_3 - Q_4 - I_5$	$Q_1 + Q_2 + I_3 + I_4 - Q_5$
0	0	$I_1 + I_2 + I_3 + I_4 + I_5$	$Q_1 + Q_2 + Q_3 + Q_4 + Q_5$
1	+30	$I_1 + I_2 + Q_3 + Q_4 - I_5$	$Q_1 + Q_2 - I_3 - I_4 - Q_5$
2	+60	$I_1 + Q_2 - I_3 - Q_4 + I_5$	$Q_1 - I_2 - Q_3 + I_4 + Q_5$

FIG. 3



K = -2, -1, 0, 1, 2 Frequency Bins
P = "Prompt" code phase

FIG. 4

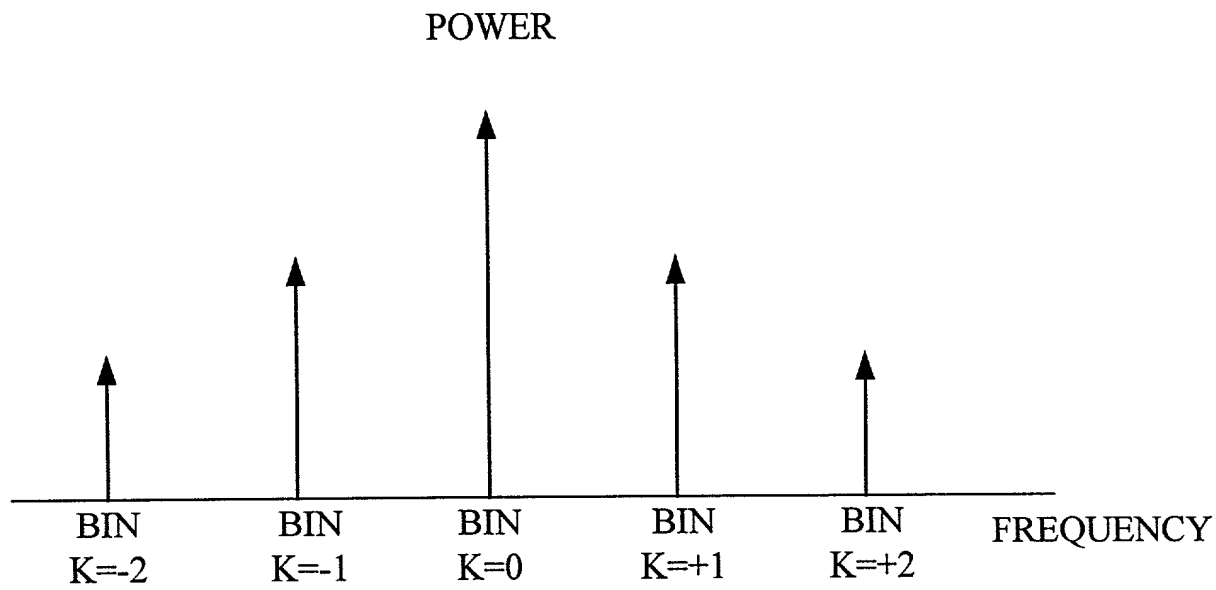


FIG. 5

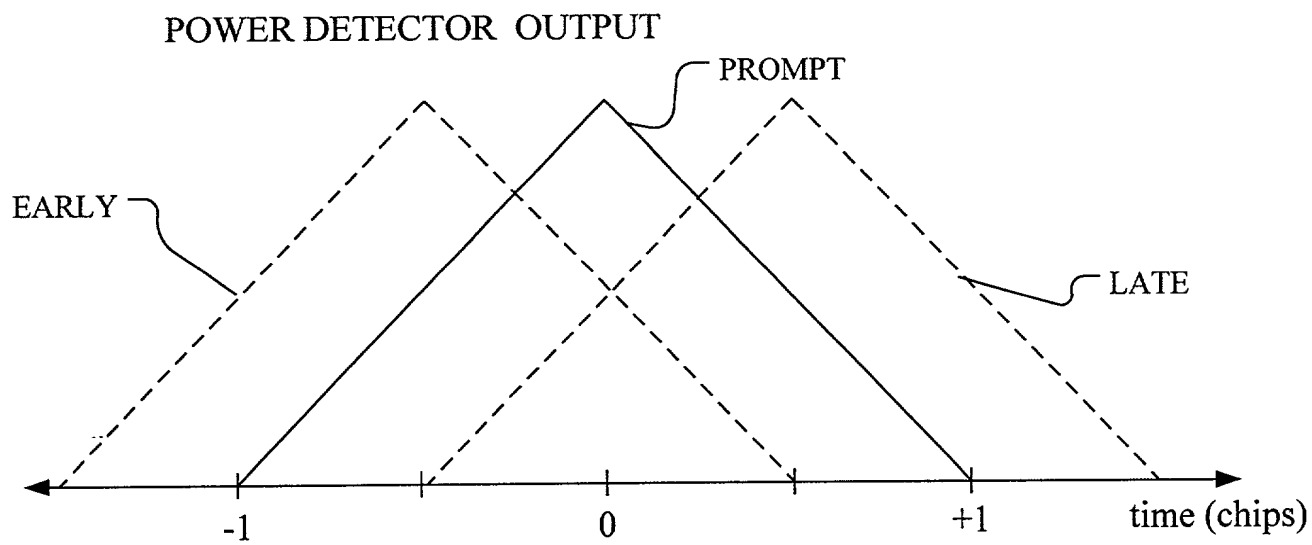


FIG. 7

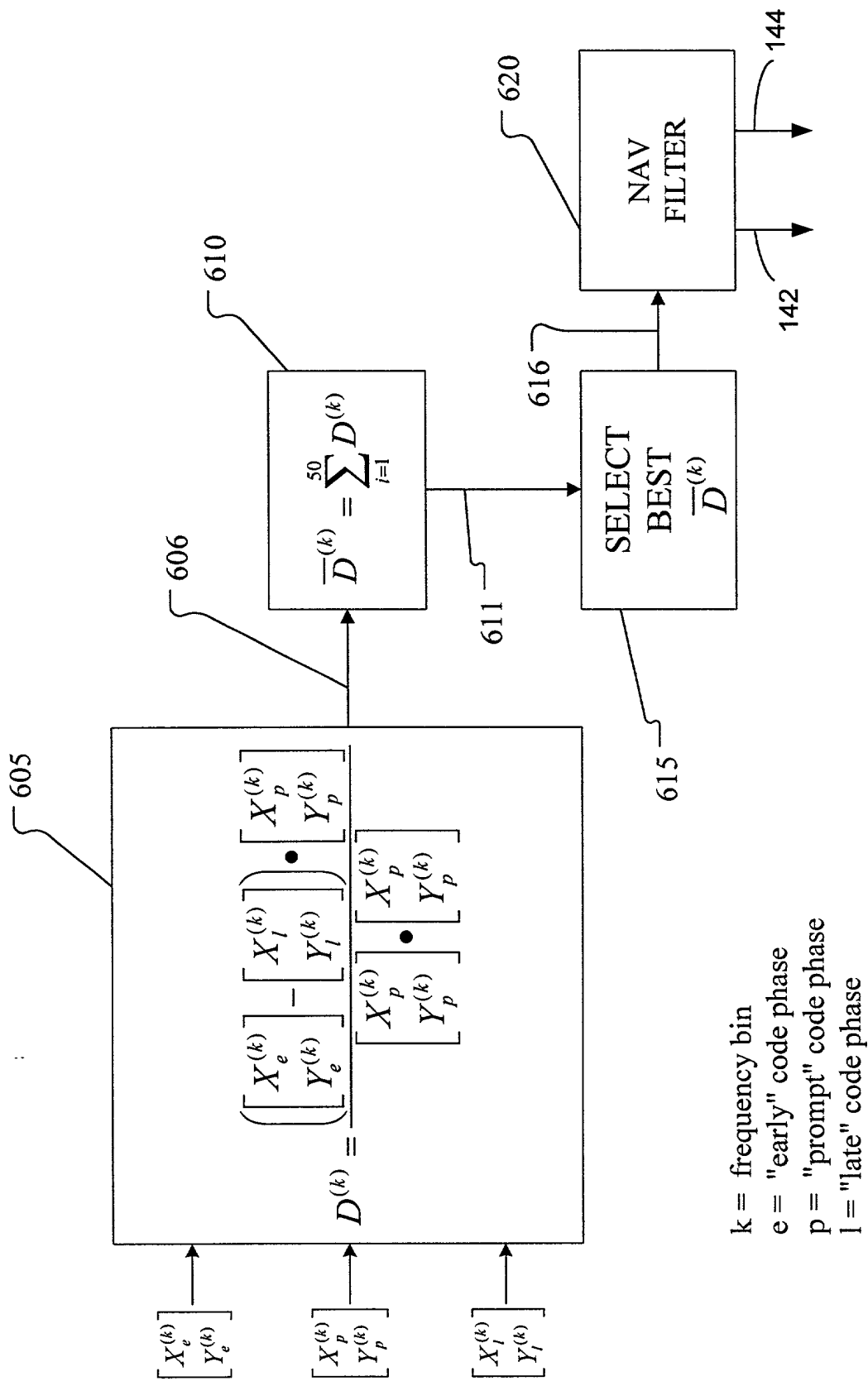


FIG. 6

Delta Carrier Phase Computation

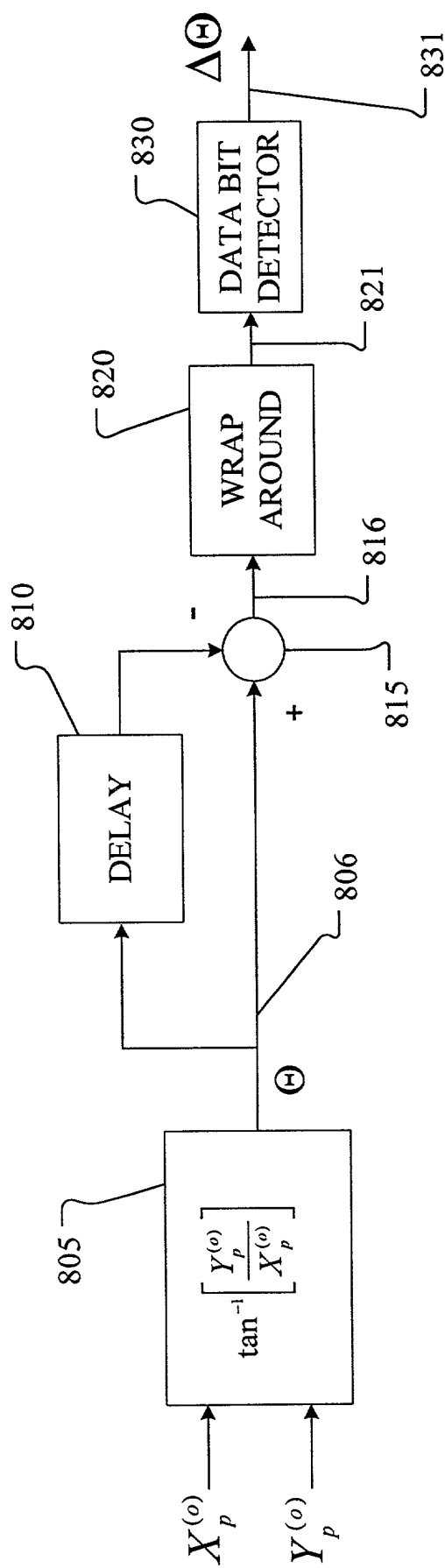


FIG. 8

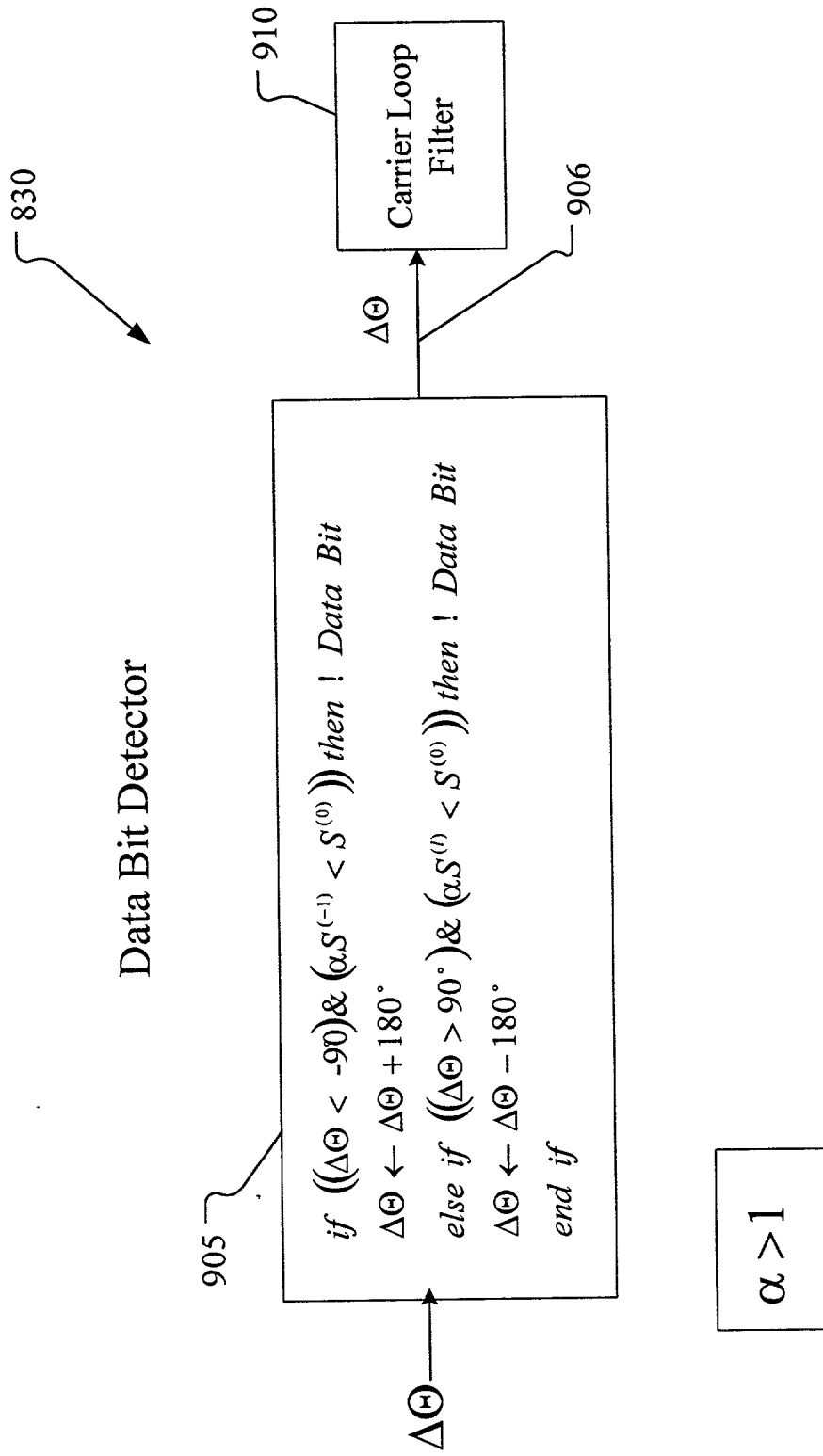


FIG. 9